

## **SINGLE SUPPLY LEVEL CONVERTER**

### **ABSTRACT OF THE INVENTION**

5           A level converter for interfacing two circuits supplied by different supply  
voltages, and integrated circuit including the level converter interfacing circuit in two  
different voltage islands. A first buffer is supplied by a virtual supply and receives an  
input signal from a lower voltage circuit. The first buffer drives a second buffer, which is  
supplied by a higher supply voltage. An output from the second buffer switches a supply  
10 select to selectively pass the higher supply voltage or a reduced supply voltage to the first  
buffer.